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**Please find below and/or attached an Office communication concerning this application or proceeding.**

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### Office Action Summary

**Application No.**

10/801,398

**Applicant(s)**

SOHEILI ET AL.

**Examiner**

EDWARD J. KIM

**Art Unit**

2455

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-45 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date 03/16/2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. This action is a responsive to the application filed on 03/16/2004.
2. Claims 1-45 are pending in this office action.
3. The claims are directed towards a method and system that utilizes text-based communications method with a network device that includes video or audio output.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites, “selecting, by the network access device, the application as associated with the application specific message”. The claim is vague and indefinite to what the claimed subject matter exactly is for at least the following reasons: There is insufficient antecedent basis for the term “the application”. It is unclear to whether the claim language meant to say “selecting an application that is associated with the application specific message”, or something else. Claims 2-24 are rejected under the same basis, since they are dependent on claim 1.

Appropriate correction is strongly recommended on any claim language that relate to the specified limitation above.

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-8, 15-22, 27-34, 37-39 are rejected under 35 U.S.C. 102(e) as being anticipated by Anttila et al. (US Publication #2003/0114224 A1), hereinafter referred to as Anttila..

Anttila discloses a distributed game over a wireless telecommunications network, which utilizes known data messaging techniques such as SMS (Anttila, Abstract).

Regarding claim 1, Anttila discloses, a method for providing communications to a network access device over a communications network having a channel supporting text messages (Anttila, Abstract), the method comprising the steps of: providing a network access device, the network access device having a processor, a memory, and an output, the memory storing code of an application, the code executable by the processor, the network access device in communication with the communications network (Anttila, fig.1, fig.3, [0004], [0017]. Anttila discloses mobile terminals on a communication network such as mobile telephones, PDA, laptop, MP3 player with integrated communications, etc. );

providing an application specific message having a network header and message content, the message content including an application header and application content, the network header identifying the application specific message as a text-based message (Anttila, fig.1, fig.2, fig.3, [0034]-[0035]. );

sending the application specific message to the network access device as a text message over the channel of the communications network; receiving, by the network access device, the application specific message; detecting, by the network access device, the network header of the application specific message; identifying, by the network access device, the application specific message as a text-based message, as indicated by the network header; detecting, by the network access device, the application header of the application specific message; selecting, by the network access device, the application as associated with the application specific message; providing the application content of the application specific message to the application; interpreting, by the application, the application content of the application specific message to generate output data; and providing, on the output of the network access device, the output data (Anttila, fig.1, fig.2 fig.3, [0004]-[0005], [0032]-[0035]. Anttila discloses the mobile terminal receiving an application specific message that is to specified by Task description data 203, Recipient List 207, Application specific data 209. Application specific data 209 is used to “convey game and/or task information to game-related application software on each mobile terminal” and that any known messaging technique, such as SMS, is utilized. Hence, the mobile device determines the message as text-based message (SMS), detects the application header, determines the message type, and determines the specific application for the data to be conveyed to, generating output data according to the mobile terminal’s capabilities ([0031])).

Regarding claim 2, Anttila disclosed the limitations, as described in claim 1, and further discloses, the application header of the application specific message including a sync word (Anttila, fig.2, [0032]-[0035]. Anttila discloses the use of keywords to determine the type of the message.).

Regarding claim 3, Anttila disclosed the limitations, as described in claim 2, and further discloses, the step of selecting the application as associated with the application specific message including interpreting the sync word (Anttila, fig.1-3, [0032]-[0035]).

Regarding claim 4, Anttila disclosed the limitations, as described in claim 2, and further discloses, the sync word including a predetermined sequence of bits (Anttila, fig.1-3, [0032]-[0035]). In known messaging techniques, such as SMS, data is conveyed in bits. Therefore, keywords would be also conveyed in predetermined sequence of bits. For example, "dog" would have a different sequence of bits to "cat".).

Regarding claim 5, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the network access device is a mobile phone (Anttila, fig.1, fig.3, [0004], [0017]).

Regarding claim 6, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the network access device is a personal digital assistant (PDA) (Anttila, fig.1, fig.3, [0004], [0017]).

Regarding claim 7, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the application is a game (Anttila, Abstract, [0006]).

Regarding claim 8, Anttila disclosed the limitations, as described in claim 7, and further discloses, wherein the message content in the application specific message includes game data (Anttila, Abstract, fig.1-3, [0006], [0032]-[0035]).

Regarding claim 15, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the communications network includes a short message service (SMS) network (Anttila, [0004], [0034]-[0035]).

Regarding claim 16, Anttila disclosed the limitations, as described in claim 15, and further discloses, wherein the application specific message is a short message service (SMS) message (Anttila, [0004], [0034]-[0035]).

Regarding claim 17, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the output data includes video data (Anttila, [0027], [0032]-[0035]).

Regarding claim 18, Anttila disclosed the limitations, as described in claim 17, and further discloses, wherein the output includes a display (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 19, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the output data includes audio data (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 20, Anttila disclosed the limitations, as described in claim 19, and further discloses, wherein the output includes a sound processor (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 21, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the communications network includes a paging service (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]. Data messaging services, PDAs, etc.).

Regarding claim 22, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the communications network includes a wireless email service (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 27, Anttila discloses, an interactive communications system using a communications network having a channel supporting text messages, the system comprising: a

first network access device, the first network access device having a processor, a memory, and an output, the memory storing code of an application, the code executable by the processor, the first network access device in communication with the communications network (Anttila, Abstract, fig.1, fig.3, [0004], [0017]. Anttila discloses mobile terminals on a communication network such as mobile telephones, PDA, laptop, MP3 player with integrated communications, etc.);

a second network access device, the second network access device having a processor and a memory, the memory storing an application specific message having a network header and message content, the message content including an application header and application content, the network header identifying the application specific message as a text-based message, the second network access device in communication with the communications network; the second network access device configured to send the application specific message to the first network access device as a text message over the channel of the communications network; the first network access device configured to: (i) receive the application specific message, (ii) detect the network header of the application specific message, (iii) identify the application specific message as a text-based message, as indicated by the network header, (iv) detect the application header of the application specific message, (v) select the application as associated with the application specific message, (vi) provide the application content of the application specific message to the application, (vii) interpret, by the application, the application content of the application specific message to generate output data, and (viii) provide, on the output of the network access device, the output data (Anttila, fig.1, fig.2 fig.3, [0004]-[0005], [0032]-[0035]. Anttila discloses the mobile terminal receiving an application specific message that is to specified by Task description data 203, Recipient List 207, Application specific data 209. Application specific data 209 is



used to “convey game and/or task information to game-related application software on each mobile terminal” and that any known messaging technique, such as SMS, is utilized. Hence, the mobile device determines the message as text-based message (SMS), detects the application header, determines the message type, and determines the specific application for the data to be conveyed to, generating output data according to the mobile terminal’s capabilities ([0031])).

Regarding claim 28, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the first network access device is a mobile phone (Anttila, fig.1, fig.3, [0004], [0017]).

Regarding claim 29, Anttila disclosed the limitations, as described in claim 28, and further discloses, wherein the second network access device is a mobile phone (Anttila, fig.1, fig.3, [0004], [0017]. For example, peer-to-peer).

Regarding claim 30, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the first network access device is a personal digital assistant (PDA) (Anttila, fig.1, fig.3, [0004], [0017]).

Regarding claim 31, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the communications network includes a short message service (SMS) (Anttila, [0004], [0034]-[0035]).

Regarding claim 32, Anttila disclosed the limitations, as described in claim 31, and further discloses, wherein the application specific message is a short message service (SMS) message (Anttila, [0004], [0034]-[0035]).

Regarding claim 33, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the communications network includes a paging service (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 34, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the communications network includes a wireless email service (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 37, Anttila discloses, a processor readable storage medium having processor readable code for programming one or more processors in a network access device to perform a method for receiving communications over a communications network having a channel supporting text messages, the network access device in communication with the communications network, the network access device having a processor, a memory and an output, the memory storing application code of an application, the application code executable by the one or more processors (Anttila, Abstract, fig.1, fig.3, [0004], [0017]), the method comprising the steps of: receiving an application specific message as a text message over the channel of the communications network, the application specific message having a network header and message content, the message content including an application header and application content, the network header identifying the application specific message as a text-based message; detecting, by the network access device, the network header of the application specific message; identifying, by the network access device, the application specific message as a text-based message, as indicated by the network header; detecting, by the network access device, the application header of the application specific message; selecting, by the network access device, the application as associated with the application specific message; providing the application

content of the application specific message to the application; interpreting, by the application, the application content of the application specific message to generate output data; and providing, on the output of the network access device, the output data (Anttila, fig.1, fig.2 fig.3, [0004]-[0005], [0032]-[0035]. Anttila discloses the mobile terminal receiving an application specific message that is to specified by Task description data 203, Recipient List 207, Application specific data 209. Application specific data 209 is used to “convey game and/or task information to game-related application software on each mobile terminal” and that any known messaging technique, such as SMS, is utilized. Hence, the mobile device determines the message as text-based message (SMS), detects the application header, determines the message type, and determines the specific application for the data to be conveyed to, generating output data according to the mobile terminal’s capabilities ([0031])).

Regarding claim 38, Anttila disclosed the limitations, as described in claim 37, and further discloses, wherein the message content in the application specific message includes music data (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

Regarding claim 39, Anttila disclosed the limitations, as described in claim 37, and further discloses, wherein the message content in the application specific message includes voice data (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032]).

### ***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 9-14, 23-26, 35, 36, 40-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anttila et al. (US Publication #2003/0114224 A1), hereinafter referred to as Anttila.

Regarding claim 9, Anttila disclosed the limitations, as described in claim 1, however, fails to explicitly disclose wherein the application is a financial application. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 10, Anttila disclosed the limitations, as described in claim 9, however, fails to explicitly disclose, wherein the message content in the application specific message includes financial data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over

the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 11, Anttila disclosed the limitations, as described in claim 1, however, fails to explicitly disclose, wherein the application is a language translation program. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004], [0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 12, Anttila disclosed the limitations, as described in claim 11, however, fails to explicitly disclose, wherein the message content in the application specific message includes font data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and

the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 13, Anttila disclosed the limitations, as described in claim 1, however, fails to explicitly disclose, wherein the application specific message includes weather data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 14, Anttila disclosed the limitations, as described in claim 1, however, fails to explicitly disclose, wherein the application specific message includes medical data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 23, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the communications network includes various messaging services (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032].), however, fails to explicitly disclose the use of enhanced messaging service (EMS). EMS is an application-level extension of SMS that allows special text formatting. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include EMS. One would have been motivated to do so since the use of SMS and audio/video data communications were explicitly disclosed by Anttila to be used in the system. The combination of audio/visual data and SMS would have led one of ordinary skill in the art to utilize EMS, since it was developed for that purpose.

Regarding claim 24, Anttila disclosed the limitations, as described in claim 1, and further discloses, wherein the communications network includes a, various messaging services (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032].), however, fails to explicitly disclose the use of multimedia messaging service (MMS). MMS is an extension of the SMS standard that allows longer message length and the use of WAP, used to include multimedia objects. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include MMS. One would have been motivated to do so since the use of SMS and audio/video data communications were explicitly disclosed by Anttila to be used in the system. The combination of audio/visual data and SMS would have led one of ordinary skill in the art to utilize a standard such as MMS, since it was developed for that purpose.

Regarding claim 25, Anttila discloses, a method for providing communications to a network access device over a communications network having a channel supporting text

messages (Anttila, Abstract), the method comprising the steps of: providing a network access device, the network access device having a processor, a memory, and an output, the memory storing code of an application, the code executable by the processor, the network access device in communication with the communications network (Anttila, fig.1, fig.3, [0004], [0017]. Anttila discloses mobile terminals on a communication network such as mobile telephones, PDA, laptop, MP3 player with integrated communications, etc. );

providing an application specific message having a network header and message content, the message content including an application header and application content, the network header identifying the application specific message as a text-based (Anttila, fig.1, fig.2, fig.3, [0034]-[0035]. ); sending the application specific message to the network access device as a text message over the channel of the communications network; detecting, by the network access device, the network header of the application specific message; identifying, by the network access device, the application specific message as a text-based message, as indicated by the network header; detecting, by the network access device, the application header of the application specific message; selecting, by the network access device, the application as associated with the application specific message; providing the application content of the application specific message to the application; interpreting, by the application, the application content of the application specific message to generate output data; and providing, on the output of the network access device, the output data (Anttila, fig.1, fig.2 fig.3, [0004]-[0005], [0032]-[0035]. Anttila discloses the mobile terminal receiving an application specific message that is to specified by Task description data 203, Recipient List 207, Application specific data 209. Application specific data 209 is used to "convey game and/or task information to game-related



application software on each mobile terminal” and that any known messaging technique, such as SMS, is utilized. Hence, the mobile device determines the message as text-based message (SMS), detects the application header, determines the message type, and determines the specific application for the data to be conveyed to, generating output data according to the mobile terminal’s capabilities ([0031]).

However, Anttila fails to explicitly disclose, encrypting the application specific message to produce an encrypted application specific message; sending the encrypted application specific message; decrypting the encrypted application specific message, by the network access device, to produce the application specific message. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to utilize encryption and decryption of text-based communications, such as SMS. One would have been motivated to do to enhance the security measures of the communications system, for example, to prevent eavesdropping of the text-based communication in the system.

Regarding claim 26, Anttila disclosed the limitations, as described in claim 25, and further discloses, wherein the step of decrypting the encrypted application specific message includes providing a user ID and a password (Anttila, [0043]).

Regarding claim 35, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the communications network includes various messaging services (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032].), however, fails to explicitly disclose the use of enhanced messaging service (EMS). EMS is an application-level extension of SMS that allows special text formatting. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include EMS. One would

have been motivated to do so since the use of SMS and audio/video data communications were explicitly disclosed by Anttila to be used in the system. The combination of audio/visual data and SMS would have led one of ordinary skill in the art to utilize EMS, since it was developed for that purpose.

Regarding claim 36, Anttila disclosed the limitations, as described in claim 27, and further discloses, wherein the communications network includes a, various messaging services (Anttila, fig.1, fig.3, [0004], [0017], [0027], [0032].), however, fails to explicitly disclose the use of multimedia messaging service (MMS). MMS is an extension of the SMS standard that allows longer message length and the use of WAP, used to include multimedia objects. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include MMS. One would have been motivated to do so since the use of SMS and audio/video data communications were explicitly disclosed by Anttila to be used in the system. The combination of audio/visual data and SMS would have led one of ordinary skill in the art to utilize a standard such as MMS, since it was developed for that purpose.

Regarding claim 40, Anttila disclosed the limitations, as described in claim 37, however, fails to explicitly disclose, wherein the application is a language translation program. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that

include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 41, Anttila disclosed the limitations, as described in claim 41, however, fails to explicitly disclose, wherein the message content in the application specific message includes font data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 42, Anttila disclosed the limitations, as described in claim 37, however, fails to explicitly disclose wherein the application is a financial application. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying

specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]).

Hence, game system is an example of a use of the invention disclosed.

Regarding claim 43, Anttila disclosed the limitations, as described in claim 42, however, fails to explicitly disclose, wherein the message content in the application specific message includes financial data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 44, Anttila disclosed the limitations, as described in claim 37, however, fails to explicitly disclose, wherein the application specific message includes weather data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system

identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

Regarding claim 45, Anttila disclosed the limitations, as described in claim 37, however, fails to explicitly disclose, wherein the application specific message includes medical data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Anttila to include other applications. One would have been motivated to do so, since Anttila discloses a system and method that takes advantage of newer messaging techniques such as SMS data messaging, in wireless telecommunications, that can be adopted for cross-media environment as well (Anttila, [0004],[0005]). Anttila further discloses tasks that include audio/video data that is played over the mobile terminal's output, and the system identifying specific applications for executing the content communicated (Anttila, [0027], [0032]-[0035]). Hence, game system is an example of a use of the invention disclosed.

### ***Conclusion***

**Examiner's Note:** Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

The prior art made of record and not relied up on is considered pertinent to applicant's disclosure.

- Refer to Form PTO-892.

A Shortened statutory period for reply is set to expire 3 month(s) or thirty (30) days, whichever is longer, from the mailing date of this communication.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward J. Kim whose telephone number is (571) 270-3228. The examiner can normally be reached on Monday - Friday 7:30am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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